

1204

#2 OIPE

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/970,966

DATE: 10/19/2001

TIME: 10:49:40

Input Set : A:\484c6.app

Output Set: N:\CRF3\10192001\I970966.raw

4 <110> APPLICANT: Stolk, John A.
5 Molesch, David Alan
6 Fling, Steven P.
7 Xu, Jiangchun

10 <120> TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
11 AND DIAGNOSIS OF OVARIAN CANCER

14 <130> FILE REFERENCE: 210121.484C6

C--> 16 <140> CURRENT APPLICATION NUMBER: US/09/970,966 OK
17 <141> CURRENT FILING DATE: 2001-10-02
19 <160> NUMBER OF SEQ ID NOS: 215
21 <170> SOFTWARE: FastSEQ for Windows Version 4.0
23 <210> SEQ ID NO: 1
24 <211> LENGTH: 396
25 <212> TYPE: DNA
26 <213> ORGANISM: Homo sapiens
28 <220> FEATURE:
29 <221> NAME/KEY: misc_feature
30 <222> LOCATION: 303, 370, 377, 382
31 <223> OTHER INFORMATION: n = A,T,C or G
33 <400> SEQUENCE: 1
34 caacctcact agtaaatgaa agaaatattg taatttgat ttgatctgct gggctcttgg 60
35 agtcagaact ggttttatca gcagtttgat cttctgaggt ctggtatgta gtttgctggc 120
36 ccacagaacc ttcacgtgta ttcacagcct caatgccata aggaaactct tttagaagtt 180
37 ctgacagctg gtcagttagg tataagacag gtgccttatc actgtggatt tcatttcttg 240
38 caggatcttg gggagtatag ttgctggatg catctatttc ctgagggtaa atatectect 300
W--> 39 ggnctgacgcy gccgctcgag tctagagggc ccgtttaaac ccgctgatca gcctcgactg 360
W--> 40 tgccttctan ttgccancca tntgttgttt gccctt OK 396
42 <210> SEQ ID NO: 2
43 <211> LENGTH: 396
44 <212> TYPE: DNA
45 <213> ORGANISM: Homo sapiens
47 <400> SEQUENCE: 2
48 cgaccaaata gtaaaactcca agtgaacatc aaatcaaata taatcctttt gccacatga 60
49 ctggttggtt tttatctcat agttacaatg aatcatataa actgtagact gccactacca 120
50 cgatacttct gtgacacaga aggaatgtcc tatttgccct tctatctgag gaatgttaaa 180
51 tagagaaaaa tagattataa aacaacctgg aggtcacagg attctgagat aatccctctg 240
52 ttaaaaaaca tctgaacagc aaatgtccaa tctgtaataa aatagttaaa ggtccaagtc 300
53 aagtcactt ctacttggct ggcccagcac aagaaatcta acagcacttt gtaatcattt 360
54 tgccttttcta attttcccgg aggacatggg ccattg 396
56 <210> SEQ ID NO: 3
57 <211> LENGTH: 396
58 <212> TYPE: DNA
59 <213> ORGANISM: Homo sapiens
61 <220> FEATURE:
62 <221> NAME/KEY: misc_feature
63 <222> LOCATION: 22, 28, 29, 30, 33, 36, 41, 43, 45, 46, 53, 56, 58, 61, 64,
64 69, 70, 74, 75, 78, 83, 84, 85, 102, 143, 335

Non Entered

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/970,966

DATE: 10/19/2001
TIME: 10:49:41

Input Set : A:\484c6.app
Output Set: N:\CRF3\10192001\I970966.raw

```

65 <223> OTHER INFORMATION: n = A,T,C or G
67 <400> SEQUENCE: 3
W--> 68 cgcccttttt tttttttttt tnattgghnn aantcncttt nantnnaaaa acntgnangg 60
W--> 69 naancccaann cccnnggnac cannnccagg agttgggtgg anactgagtg gggtttgtgt 120
W--> 70 gggtagagggg gcatctactc ctnttgcaac aagccaaaag tagaacagcc taaggaaaag 180
71 tgacctgcct tggagcctta gtccctccct tagggccccc tcagcctacc ctatccaagt 240
72 ctgaggctat ggaagtctcc ctctagtgc actagcagg tccccatctt ttccaggctg 300
W--> 73 cccctagcac tccacgtttt tctgaaaaaa tctatcacagg cccttttttg gtacctaaaa 360
74 cccagctgag gttgtgagct tgtaaggtaa agcaag 396
76 <210> SEQ ID NO: 4
77 <211> LENGTH: 396
78 <212> TYPE: DNA
79 <213> ORGANISM: Homo sapiens
81 <220> FEATURE:
82 <221> NAME/KEY: misc_feature
83 <222> LOCATION: 13, 15, 21, 27, 34, 37, 41, 57, 58, 59, 63, 64, 71, 72, 77,
84 78, 83, 87, 93, 170, 207, 210, 308, 379, 382, 389, 391,
85 392, 393, 395
86 <223> OTHER INFORMATION: n = A,T,C or G
88 <400> SEQUENCE: 4
W--> 89 gaccaatcct tgnncacta ncaaaaangac cccnctnacc nccaggaaact gaacctnnnt 60
W--> 90 gtnnacctcc ninctgcnag ccttatntcc aanatcaccc accgtatcca ctgggaatct 120
W--> 91 gccagcctcc tgcgatcaga agagaccaat cgaaaatgag ggtttcacan tcacagctga 180
W--> 92 aggaaaaggc caaggcacct tgcggnggn gacaatgtac catgctaagg ccaaagatca 240
93 actcacctgt aataaattcg acctcaaggt caccataaaa ccagcaccg aacagaaaaa 300
W--> 94 gaggcctnag gatgcccaag aaacactttt gatcctttga aaactgtacc aaggtagcgg 360
W--> 95 ggggagaccg aggaaaggnc ctttatgtnt nntnt 396
97 <210> SEQ ID NO: 5
98 <211> LENGTH: 396
99 <212> TYPE: DNA
100 <213> ORGANISM: Homo sapiens
102 <220> FEATURE:
103 <221> NAME/KEY: misc_feature
104 <222> LOCATION: 135, 172, 343, 348, 354, 395
105 <223> OTHER INFORMATION: n = A,T,C or G
107 <400> SEQUENCE: 5
108 gacgccggag ctgcgcgcc agtcgcctag caggctctct accggcttat tcctgtgccg 60
109 gatcttcacg ggcacagggg ccactgagac gtttctgect cctcttttct tcctccgctc 120
W--> 110 tttctcttcc ctctgttta gtttgectgg gagcttgaaa ggagaaagca cnggggtcgc 180
111 cccaaacctt tctgcttct gccatcaca agtgccacta ccgccatggg cctcactatc 240
112 tctcctctct tctccgact atttggcaag aagcagatgc gcattttgat ggttgattg 300
W--> 113 gatgctgctg gcaagacaac cattcttgat aaactgaaag tanggganat aaghnaccacc 360
W--> 114 atttctacca ttgggtttta tgggggaaac agtaha 396
116 <210> SEQ ID NO: 6
117 <211> LENGTH: 396
118 <212> TYPE: DNA
119 <213> ORGANISM: Homo sapiens
121 <220> FEATURE:
122 <221> NAME/KEY: misc_feature

```

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/970,966

DATE: 10/19/2001
TIME: 10:49:41

Input Set : A:\484c6.app
Output Set: N:\CRF3\10192001\I970966.raw

```

123 <222> LOCATION: 212
124 <223> OTHER INFORMATION: n = A,T,C or G
126 <400> SEQUENCE: 6
127 acgggagggcg ccgggaagtc gacggcgccg gcggtcctg caggaggcca ctgtctgcag 60
128 ctcccgtgaa gatgtccact ccagaccac ccctgggagg aactcctcgg ccaggtcctt 120
129 ccccgggccc tgcccttccc ctggagccat gctgggccc agcccggtc cctcgccggg 180
W--> 130 ctccgcccac agcatgatgg ggcccagccc anggggccgccc ctcagcagga caccatcc 240 OK
131 ccaccagggg gcctggaggg taccctcagg acaacatgca ccagatgcac aagcccatgg 300
132 agtccatgca tgagaagggc atgtcggacg acccgcgcta caaccagatg aaaggaatgg 360
133 ggatgcggtc agggggccat gctgggatgg ggcccc 396
135 <210> SEQ ID NO: 7
136 <211> LENGTH: 396
137 <212> TYPE: DNA
138 <213> ORGANISM: Homo sapiens
140 <400> SEQUENCE: 7
141 acccgagagt cgtcggggtt tctgtcttca acagtgtttg gacggaaccc ggcgctcggtt 60
142 cccacccccg gccggccgcc catagccagc cctccgtcac ctcttcaccg caccctcgga 120
143 ctgcccgaag gcccccgcgc ccgctccagc gccgcgcagc caccgcgcgc gccgcgcgct 180
144 ctcttagtgc gccgccatga cgaccgcgtc caccctcgag gtgcgcagga actaccacca 240
145 ggactcagag gccgccatca accgccagat caacctggag ctctacgcct cctacgttta 300
146 cctgtccatg tcttactact ttgaccgca tgatgtggct ttgaagaact ttgcaaaata 360
147 ctttcttcac caatctcatg aggagaggga acatgc 396
149 <210> SEQ ID NO: 8
150 <211> LENGTH: 396
151 <212> TYPE: DNA
152 <213> ORGANISM: Homo sapiens
154 <400> SEQUENCE: 8
155 cgacaacaag gttaatacct tagttcttaa cttttttttt ctttatgtgt agtgttttca 60
156 tgctaccttg gtaggaaact tatttataaa ccatattaaa aggctaattt aaatataaat 120
157 aatataaagt gctctgaata aagcagaaat atattacagt tcattccaca gaaagcatcc 180
158 aaaccaccca aatgaccaag gcatatatag tatttggagg aatcaggggt ttggaaggag 240
159 tagggaggag aatgaaggaa aatgcaacca gcatgattat agtgtgttca tttagataaa 300
160 agtagaaggc acaggagagg tagcaaaggc caggcttttc tttggttttc ttcaaacata 360
161 ggtgaaaaaa aactgccat tcacaagtca aggaac 396
163 <210> SEQ ID NO: 9
164 <211> LENGTH: 396
165 <212> TYPE: DNA
166 <213> ORGANISM: Homo sapiens
168 <220> FEATURE:
169 <221> NAME/KEY: misc_feature
170 <222> LOCATION: 321, 344
171 <223> OTHER INFORMATION: n = A,T,C or G
173 <400> SEQUENCE: 9
174 tcgacatcgc ggcaactttt tgcggattgt tcttgcttcc aggctttgcg ctgcaaattcc 60
175 agtgetacca gtgtgaagaa ttccagctga acaacgactg ctctccccc gagttcattg 120
176 tgaattgcac ggtgaacgtt caagacatgt gtcagaaaga agtgatggag caaagtgccg 180
177 ggatcatgta ccgcaagtcc tgtgcatcat cagcggcctg tctcatcgcc tctgccgggt 240
178 accagtcctt ctgctcccca gggaaactga actcagtttg catcagctgc tgcaacaccc 300
W--> 179 ctctttgtaa cggggccaag nccaaaaaaa ggggaaagtt ctgncctcgg ccctcaggcc 360 OK

```

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/970,966

DATE: 10/19/2001
TIME: 10:49:41

Input Set : A:\484c6.app
Output Set: N:\CRF3\10192001\I970966.raw

```

180 agggctccgc accaccatcc tgttcctcaa attagc 396
182 <210> SEQ ID NO: 10
183 <211> LENGTH: 396
184 <212> TYPE: DNA
185 <213> ORGANISM: Homo sapiens
187 <220> FEATURE:
188 <221> NAME/KEY: misc_feature
189 <222> LOCATION: 115, 116, 117, 130, 138, 142, 143, 144, 145, 146, 153, 157,
190 158, 159, 160, 164, 175, 176, 177, 178, 179, 183, 187, 197,
191 198, 202, 203, 204, 205, 206, 211, 212, 213, 215, 216, 217,
192 220, 221, 222, 226, 231, 234, 236, 237, 245, 246, 247
193 <223> OTHER INFORMATION: n = A,T,C or G
195 <221> NAME/KEY: misc_feature
196 <222> LOCATION: 250, 255, 264, 266, 267, 268, 269, 270, 271, 272, 279, 284,
197 297, 303, 304, 305, 308, 315, 317, 318, 319, 320, 321, 322,
198 323, 333, 334, 337, 338, 342, 343, 368, 372, 374, 380, 381,
199 391, 395
200 <223> OTHER INFORMATION: n = A,T,C or G
202 <400> SEQUENCE: 10
203 cctttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt 60
W--> 204 tttttttttt tttttttttt tttttttttt tttttttttt ttttaaaaaa aaaahnnnttt 120
W--> 205 tttttttttt aaaaaaangg gnnnnnnnttt ttcccnnnn gggngggggg gggggnnnnt 180
W--> 206 tttaaaaaaa aaaacnnnaa annnnnngggg nnnannnaah ncccccccc naancnntaa 240
W--> 207 aaaaannngg aaaaahaggg gggnaannnn nnggggggga aaattttttt ttttttnaag 300
W--> 208 ggnnnnggnaa aaaahnnnnn hanttttttt ttnnaahngg gnnaaaaaaa aaaaaaaaaa 360
W--> 209 atttttttngg gntnaggggn ngggggaaaa hcccha OK 396
211 <210> SEQ ID NO: 11
212 <211> LENGTH: 396
213 <212> TYPE: DNA
214 <213> ORGANISM: Homo sapiens
216 <400> SEQUENCE: 11
217 agaacacagg tgctgtgaaa actaccctta aaagccaaaa tgggaaagga aaagactcat 60
218 atcaacattg tcgtcattgg acacgtagat tcgggcaagt ccaccactac tggccatctg 120
219 atctataaat gcggtggcat cgacaaaaga accattgaaa aatttgagaa ggaggctgct 180
220 gagatgggaa agggctcctt caagtatgcc tgggtcttgg ataaactgaa agctgagcgt 240
221 gaacgtggta tcaccattga tatctccttg tggaaatttg agaccagcaa gtactatgtg 300
222 actatcattg atgccccagg acacagagac tttatcaaaa acatgattac agggacatct 360
223 caggctgact gtgctgtcct gattgttget gctgggt 396
225 <210> SEQ ID NO: 12
226 <211> LENGTH: 396
227 <212> TYPE: DNA
228 <213> ORGANISM: Homo sapiens
230 <400> SEQUENCE: 12
231 cgaaaacctt taaaccccg tcatccggac atcccaacgc atgctcctgg agctcacagc 60
232 cttctgtggt gtcatttctg aaacaagggc gtggatccct caaccaagaa gaatgtttat 120
233 gtcttcaagt gacctgtact gcttggggac tattggagaa aataaggtgg agtcctactt 180
234 gtttaaaaaa tatgtatcta agaattgtct agggcactct gggaacctat aaaggcaggt 240
235 atttcggggc ctctcttcca ggaatcttcc tgaagacatg gcccgatcga agggccagga 300
236 tggcttttgc tgcggcccg tggggtagga gggacagaga gacagggaga gtcagcctcc 360

```

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/970,966

DATE: 10/19/2001
TIME: 10:49:41

Input Set : A:\484c6.app
Output Set: N:\CRF3\10192001\I970966.raw

```

237 acattcagag gcatcacaag taatggcaca attctt 396
239 <210> SEQ ID NO: 13
240 <211> LENGTH: 396
241 <212> TYPE: DNA
242 <213> ORGANISM: Homo sapiens
244 <400> SEQUENCE: 13
245 accacaggct ggccacaaga agcgtctggag tgtgtctggcg gctgcaggcc tacggggcct 60
246 ggtccggctg ctgcacgtgc gtgccggctt ctgctgcggg gtcacccgag cccacaagaa 120
247 ggccatcgcc accctgtgct tcagccccgc ccacgagacc catctcttca cggcctccta 180
248 tgacaagcgg atcatcctct gggacatcgg ggtgcccaac caggactacg aattccaggc 240
249 cagccagctg ctcacactgg acaccacctc tatccccctg cgctctgcc ctgtgcctc 300
250 ctgcccggac gcccgctgc tggccggctg cgagggcggc tgctgtgct gggacgtgcg 360
251 gctggaccag ccccaaaaga ggaggggtgtg tgaagt 396
253 <210> SEQ ID NO: 14
254 <211> LENGTH: 396
255 <212> TYPE: DNA
256 <213> ORGANISM: Homo sapiens
258 <400> SEQUENCE: 14
259 acggcgtcct cgtggaagtg acatcgtctt taaacctgc gtggcaatcc ctgacgcacc 60
260 gccgtgatgc ccagggaaga cagggcgacc tggaaagtcca actacttct taagatcatc 120
261 caactattgg atgattatcc gaaatgtttc attgtgggag cagacaatgt gggctccaag 180
262 cagatgcagc agatccgcat gtcccttcgc gggaaggctg tgggtctgat gggcaagaac 240
263 accatgatgc gcaaggccat ccgagggcac ctggaaaaaca acccagctct ggagaaactg 300
264 ctgcctcata tccgggggaa tgtgggcttt gtgttcacca aggaggacct cactgagatc 360
265 aggacatgt tgctggccaa taaggtgcc a gctgct 396
267 <210> SEQ ID NO: 15
268 <211> LENGTH: 396
269 <212> TYPE: DNA
270 <213> ORGANISM: Homo sapiens
272 <220> FEATURE:
273 <221> NAME/KEY: misc_feature
274 <222> LOCATION: 333
275 <223> OTHER INFORMATION: n = A,T,C or G
277 <400> SEQUENCE: 15
278 accgcgcggg cacagggtgc cgctgaccga ggcgtgcaaa gactccagaa ttggaggcat 60
279 gatgaagact ctgctgctgt ttgtggggct gctgctgacc tgggagagt ggcaggctcct 120
280 gggggaccag acggtctcag acaatgagct ccaggaaatg tccaatcagg gaagtaagta 180
281 cgtcaataag gaaattcaaa atgcttgtca acggggtgaa acagataaag actctcatag 240
282 aaaaaacaaa cgaagagcgc aagacactgc tcagcaacct agaagaagcc aagaagaaga 300
W--> 283 aagaggatgc cctaaatgag accagggaaat canagacaaa gctgaaggag ctcccaggag 360 OK
284 tgtgcaatga gaccatgatg gccctctggg aagagt 396
286 <210> SEQ ID NO: 16
287 <211> LENGTH: 396
288 <212> TYPE: DNA
289 <213> ORGANISM: Homo sapiens
291 <220> FEATURE:
292 <221> NAME/KEY: misc_feature
293 <222> LOCATION: 114, 121, 122, 123, 127, 134, 136, 138, 140, 141, 142, 143,
294 144, 148, 163, 166, 172, 173, 174, 176, 177, 183, 184, 185,

```

Use of n and / or Xaa has been detected in the
Sequence Listing. Review the Sequence Listing
to ensure a corresponding explanation is present
in the <220> to <223> fields of each sequence
using n or Xaa.

VERIFICATION SUMMARY

DATE: 10/19/2001

PATENT APPLICATION: US/09/970,966

TIME: 10:49:42

Input Set : A:\484c6.app

Output Set: N:\CRF3\10192001\I970966.raw

L:16 M:270 C: Current Application Number differs, Wrong Format
L:39 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:40 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:68 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:69 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:70 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:73 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:89 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:90 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:91 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:92 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:94 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:95 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:110 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:113 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:114 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:130 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:179 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:204 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L:205 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L:206 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L:207 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L:208 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L:209 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L:283 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15
L:307 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16
L:308 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16
L:309 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16
L:310 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16
L:311 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16
L:312 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16
L:346 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18
L:347 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18
L:348 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18
L:349 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18
L:350 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18
L:351 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18
L:352 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18
L:373 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19
L:374 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19
L:375 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19
L:376 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19
L:377 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19
L:378 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19
L:379 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19
L:393 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20
L:394 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20
L:395 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/970,966

DATE: 10/19/2001

TIME: 10:49:42

Input Set : A:\484c6.app

Output Set: N:\CRF3\10192001\I970966.raw

L:397 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20

L:415 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21

L:416 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21